

Claim Amendments

Applicants have amended claims 1-3, 5-11, 14-16 and 18 and have cancelled claims 17 and 19-25 without prejudice. Applicants set forth below a complete listing of the claims with the corresponding status indicated for each claim.

1. (Currently Amended) A method for ~~analyzing a binary RDO~~ converting a first file structure, extracting all relevant data needed to reproduce content thereof, and generating an output in a selected format, comprising the steps of in a binary RDO format to a second file in a second format, the first file comprising references to one or more page image files and data that includes instructions for assembling the page image files into one or more document pages, the second file comprising one or more output pages, each output page associated with a corresponding document page, the method comprising:

~~reading and analyzing said binary RDO~~ the first file;
decoding the RDO format of the first file to identify the data;
extracting sorting the identified data contained within said RDO file
describing an arrangement of pages in a final document on a document page basis; and
generating an output by placing one or more bitmap placing the page image files for each document page onto an on the associated output page and adding optional text messages for header, footer, and page number according to the assembly instructions in the sorted data.

2. (Currently Amended) The method of Claim 1, ~~said reading and analyzing step~~ further comprising:

~~decoding said binary RDO file internal structure;~~
~~parsing said binary RDO file; and~~
~~transferring said parsed binary RDO file~~ the identified data into a data structure representation in a memory.

3. (Currently Amended) The method of Claim 1, ~~said extracting step~~ further comprising:

~~collecting data for each page in said RDO binary file, where said data are~~

~~scattered throughout said RDO binary file, and where some~~ wherein the data are
comprise page-invariant data and that apply to an entire document embodied in said
RDO binary file applies to all of the document pages.

4. (Original) The method of Claim 3, wherein said page-invariant data comprise any of header and footer messages, their location, or font selection or margin specifications.

5. (Currently Amended) The method of Claim 1, wherein ~~said bitmap file is a~~ the page image files comprise TIFF format files.

6. (Currently Amended) The method of Claim 1, further comprising ~~the step of:~~

storing ~~said~~ the output pages in a memory when all pages have been processed.

7. (Currently Amended) The method of Claim 1, wherein ~~said selected~~ the second format is comprises a PDF format.

8. (Currently Amended) The method of Claim 1, wherein ~~said bitmap file is a~~ the page image files comprise PostScript files ~~and wherein an external, commercially available Postscript to PDF converter is invoked to merge these pages into an output PDF.~~

9. (Currently Amended) ~~An apparatus~~ Apparatus for analyzing a binary RDO converting a first file structure, extracting all relevant data needed to reproduce content thereof, and generating an output in a selected format, in a binary RDO format to a second file in a second format, the first file comprising references to one or more page image files and data that includes instructions for assembling the page image files into one or more document pages, the second file comprising one or more output pages, each output page associated with a corresponding document page, the apparatus comprising:
a read module means for reading and analyzing said binary RDO the first

file;

means for decoding the RDO format of the first file to identify the data;
~~an understand module for extracting~~ means for sorting the identified data
~~contained within said RDO file describing an arrangement of pages in a final document~~
on a document page basis; and

~~a reproduce module for generating an output by placing a bitmap~~ means for
placing the page image file for each document page onto an on the associated output
page and adding optional text messages for header, footer, and page number according
to the assembly instructions in the sorted data.

10. (Currently Amended) The apparatus of Claim 9, ~~said read module~~ further comprising[[:]]

~~a decoder for decoding said binary RDO file internal structure;~~

~~a parser for parsing said binary RDO file; and~~

~~a memory for receiving a data structure representation of said parsed binary~~
~~RDO file~~ the identified data.

11. (Currently Amended) The apparatus of Claim 9, ~~said understand module~~
~~further comprising:~~

~~a mechanism for collecting data for each page in said RDO binary file,~~
~~where said data are scattered throughout said RDO binary file, and where some wherein~~
the data are comprise page-invariant data and that apply to an entire document embodied
in said RDO binary file applies to all of the document pages.

12. (Original) The apparatus of Claim 11, wherein said page-invariant data
comprise any of header and footer messages, their location, or font selection.

13. (Original) The apparatus of Claim 9, wherein ~~said bitmap file is a~~ the page
image files comprise TIFF format files.

14. (Currently Amended) The apparatus of Claim 9, further comprising[[:]]
a memory for storing ~~said~~ the output pages when all pages have been
processed.

15. (Currently Amended) The apparatus of Claim 9, wherein ~~said selected~~ the
second format is comprises a PDF format.

16. (Currently Amended) The apparatus of Claim 9, wherein ~~said bitmap file is~~
a the page image files comprise PostScript files.

17. (Cancelled)

18. (Currently Amended) The apparatus of Claim 9 10, wherein ~~said output~~
~~comprises an internal~~ the data structure representation comprises ~~of~~ any of the following
~~items once all data have been gathered from said RDO file:~~

for each page a list of images on a page; optional header, footer, and page
number strings; location of text items; and fonts, font attributes, and sizes to be used;

for each image image dimensions; orientation and offset and alignment
information; and information about layering of multiple images on top of one another;

for said RDO document a list of page images and page numbers; a list of
sections; font selection for header, footer and page number; and margins; and

for each section a list of page images and page numbers.

19-25. (Cancelled)